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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/599,277	09/25/2006	Mihall Danev Petkov	650-001	6438
24002 ANTHONY R.	7590 09/30/200 BARKUME		EXAMINER	
20 GATEWAY			PAINTER, BRANON C	
MANORVILLE, NY 11949			ART UNIT	PAPER NUMBER
			3633	
			MAIL DATE	DELIVERY MODE
			09/30/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Comments	10/599,277	PETKOV ET AL.				
Office Action Summary	Examiner	Art Unit				
	BRANON C. PAINTER	3633				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on						
	- [.] action is non-final.					
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closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
oloood in absordance with the places and of E	x parte quayre, 1000 o.b. 11, 10	.0 0.0. 210.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-6</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-6</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>25 September 2006</u> is/a	re: a)⊠ accepted or b)⊡ object	ted to by the Examiner.				
Applicant may not request that any objection to the o	drawing(s) be held in abeyance. See	∌ 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:	. ,					
1. Certified copies of the priority documents	s have been received.					
•						
3. Copies of the certified copies of the prior						
	application from the International Bureau (PCT Rule 17.2(a)).					
	* See the attached detailed Office action for a list of the certified copies not received.					
200 and attached detailed office detail for a list of the certified copies not received.						
Attachment(s)						
1) X Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal P					
Paper No(s)/Mail Date <u>09/25/06</u> . 6) Other:						

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DETAILED ACTION

Information Disclosure Statement

 The information disclosure statement (IDS) submitted on 09/25/06 is being considered by the examiner.

Claim Objections

- 2. Claim 1 is objected to because of the following informalities:
 - a. Claim 1, "with entrance door seeing to the yard." For the purpose of this examination, the examiner presumes this should read "with door providing access to the yard."
 - b. Appropriate correction is required for all preceding objections.

Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claims 1 and 5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- 5. Claim 1 recites the limitation "the bearing beams" in line 26. There is insufficient antecedent basis for this limitation in the claim. For the purpose of this examination, the examiner presumes that this refers to "the supporting beams."

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6. Claim 5 is rendered vague and indefinite by the phrase "and/or." It is unclear whether both limitations are required to meet the claim, or if one is sufficient. For the purpose of this examination, the examiner presumes that meeting one of the two will meet the claim limitations.

Claim Rejections - 35 USC § 103

- 7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 8. The factual inquiries set forth in *Graham* **v.** *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - 1. Determining the scope and contents of the prior art.
 - 2. Ascertaining the differences between the prior art and the claims at issue.
 - 3. Resolving the level of ordinary skill in the pertinent art.
 - 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 9. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yang (3,708,933) in view of Muroi (5,832,680) and Landreth (4,186,160).
- 10. Regarding claim 1:
 - a. Yang discloses a multi-story parking garage (Figs. 1, 3, 6) including:
 - i. Reinforcing walls (c. 2, 42-44), bearing intermediate pillars (22, 23), and floor panels (21) on supporting beams (24).

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ii. The bearing pillars' length matching the height of the construction (Fig. 1).

- iii. Short consoles (26) in the place where the floor is, and bearing pillars (22, 23) arranged parallel the basic traverse line (Fig. 1).
- iv. The bearing pillars restrained in monolithic footings on foundations(28) .
- v. The panels being pre-stressed pre-cast (Abstract) elements with longitudinal cavities (33).
- Yang does not expressly disclose that the garage is an underground garage
 in a complex as claimed, or the specific features of the bearing pillar
 restraints.
- c. Muroi discloses the use of a multi-story garage in an urban complex including:
 - A yard (20, Fig. 1) situated between surrounding roadways (Fig. 1)
 and railed off by a fence (12) with entrance door seeing into the yard
 (fenced bridge into yard).
 - ii. In which a school building is situated (c. 12, 54-55; a library is considered a "school building," as it provides opportunities for learning) and a sports, play, and common activities zone (12).
 - iii. A multi-story garage construction (Fig. 3) below the yard level including an approach (24) linked to the roads and remote from the entrance and including a one-floor over-ground part.

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d. At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the parking garage of Yang by using it in an urban complex environment as taught by Muroi, in order to provide accessible parking to buildings while reducing the overall building-parking lot footprint.

- e. Landreth discloses a pillar (48, Fig. 10) with a bottom ribbed end (66) placed in cups having an internal ribbed surface (56) and partial outer ribbing (52, 54) shaped in their bottom edge that is monolithically restrained in the footing (46).
- f. At the time of the invention, it would have been obvious to a person of ordinary skill in the art to modify the pillar-foundation connection of Yang by providing matching projections and grooves as taught by Landreth, in order to allow easy connection between the pre-cast structures.